CLAIMS

What is claimed is:

1	1. A method for conferencing, the method comprising.
2	generating a first video signal, a first audio signal and a first haptic signal at a
3	first location;
4	generating a second video signal, a second audio signal and a second haptic
5	signal at a second location;
6	communicating the first video signal, the first audio signal and the first haptic
7	signal to the second location; and
8	communicating the second video signal, the second audio signal and the
9	second haptic signal to the first location.
1	2. The method of claim 1, wherein communicating to the first location is
2	concurrently performed with communicating to the second location.
1	3. The method of claim 1, further comprising:
2	generating an audible sound at the first location, the audible sound
3	corresponding to the second audio signal;
4	displaying a video at the first location, the video corresponding to the second
5	video signal; and
6	reproducing a haptic image at the first location, the haptic image
7	corresponding to the second haptic signal.
1	4. The method of claim 1, further comprising:
2	generating an audible sound at the second location, the audible sound
3	corresponding to the first audio signal;
4	displaying a video at the second location, the video corresponding to the firs
5	video signal; and
6	reproducing a haptic image at the second location, the haptic image
7	corresponding to the first haptic signal

1	5. The method of claim 1, further comprising the steps of:
2	integrating the first video signal, the first audio signal and the first haptic
3	signal into a first integrated signal;
4	integrating the second video signal, the second audio signal and the second
5	haptic signal into a second integrated signal; and
6	concurrently communicating the first integrated signal to the second location
7	and communicating the second integrated signal to the first location.
1	6. The method of claim 5, further comprising the steps of:
2	generating an integrated haptic signal from the first integrated signal and the
3	second integrated signal;
4	reproducing an integrated haptic image corresponding to the integrated haptic
5	signal at the first location; and
6	concurrently reproducing the integrated haptic image at the second location.
1	7. A conferencing system comprising:
2	a video camera at a first location configured to capture video and communicate
3	the video to a second location;
4	a display at the second location configured to receive and display the
5	communicated video;
6	an audio input device at the first location configured to capture audio and
7	communicate the captured audio to the second location;
8	an audio output device at the second location configured to receive and
9	reproduce the communicated audio;
10	a first haptic device at the first location configured to generate a haptic signal
11	to communicate the haptic signal to the second location; and
12	a second haptic device at the second location configured to receive the haptic
13	signal and produce a haptic image corresponding to the communicated haptic signal.
1	8. The conferencing system of claim 7, wherein the first haptic device is
2	further configured to detect an object, and wherein the communicated haptic signal
3	corresponds to the detected object.

- 9. The conferencing system of claim 8, wherein the first haptic device is further configured to detect a force exerted by the object, and wherein the communicated haptic signal further corresponds to the detected force.
- 1 10. The conferencing system of claim 8, wherein the second haptic device 2 is configured to detect a second object, and wherein the communicated haptic signal 3 corresponds to integration of the detected objects.
- 1 11. The conferencing system of claim 10, wherein the first haptic device is 2 further configured to detect a force exerted by the object, wherein the second haptic 3 device is further configured to detect a second force exerted by the second object, and 4 wherein the communicated haptic signal corresponds to integration of the detected 5 forces.
- 1 12. The conferencing system of claim 7, further comprising a processor configured to integrate the communicated video, audio and haptic signal into an integrated signal that is communicated to the second location.
- 1 13. The conferencing system of claim 7, further comprising:

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- a second video camera at the second location configured to capture a second video and communicate the second video to the first location;
- 4 a second display at the first location configured to receive and display the 5 second video;
 - a second audio input device at the second location configured to detect a second audio and communicate the detected second audio to the first location; and
- a second audio output device at the first location configured to receive and reproduce the communicated second audio.

1	14. A system providing conferencing signals, comprising:
2	a first conferencing signal originating at a first location, the first conferencing
3	signal comprising:
4	an audio portion corresponding to sound detected by an audio
5	detection device at the first location;
6	a video portion corresponding to a video generated by a first
7	camera at the first location; and
8	a haptic portion corresponding to a haptic signal generated by a
9	haptic device at the first location;
10	a second conferencing signal originating at a second location, the second
11	conferencing signal comprising:
12	a second audio portion corresponding to other sounds detected
13	by a second audio detection device at the second location;
14	a second video portion corresponding to a second video
15	generated by a second camera at the second location; and
16	a second haptic portion corresponding to a second haptic signal
17	generated by a second haptic device at the second location; and
18	a communication system configured to communicate the first conferencing
19	signal to the second location and configured to communicate the second conferencing
20	signal to the first location.
1	15. The system of claim 14, wherein the communication system comprises
2	at least one of an internet system, a telephony system, a radio frequency (RF) wireless
3	system, a microwave communication system, a fiber optics system, an intranet system,
4	a local access network (LAN) system, an Ethernet system, a cable system, a radio
5	frequency system, a cellular system, an infrared system and a satellite system.

1	16. A conferencing system, comprising:
2	means for communicating a first conferencing signal to a first location, the
3	first conferencing signal comprising a first video signal, a first audio signal and a first
4	haptic signal each generated at a second location;
5	means for communicating a second conferencing signal to the second location,
6	the second conferencing signal comprising a second video signal, a second audio
7	signal and a second haptic signal each generated at the first location;
8	means for displaying the first video signal and the second video signal;
9	means for reproducing the first audio signal and the second audio signal; and
0	means for reproducing the first haptic signal and the second haptic signal.
1	17. The system of claim 16, further comprising:
2	means for receiving a second communication signal at the second location, the
3 -	second communication signal comprising a second video signal, a second audio signal
4	and a second haptic signal each generated at the first location;
5	means for displaying the second video signal as a second video;
6	means for reproducing the second audio signal as a second audible sound;
7	means for reproducing the second haptic signal as a second haptic image.
1	18. The conferencing system of claim 17, further comprising:
2	means for integrating the first haptic signal and the second haptic signal into
3	an integrated haptic signal;
4	means for reproducing an integrated haptic image corresponding to the
5	integrated haptic signal at the first location; and
6	means for concurrently reproducing the integrated haptic image at the second
7	location.

1	19. A program for video and haptic conferencing stored on a computer-
2	readable medium, the program comprising:
3	logic configured to communicate a first conferencing signal to a first location,
4	the first conferencing signal comprising a first video signal, a first audio signal and a
5	first haptic signal each generated at a second location;
6	logic configured to communicate a second conferencing signal to the second
7	location, the second conferencing signal comprising a second video signal, a second
8	audio signal and a second haptic signal each generated at the first location;
9	logic configured to integrate the first haptic signal and the second haptic signal
10	into an integrated haptic signal; and
11	logic configured to reproduce an integrated haptic image corresponding to the
12	integrated haptic signal at the first location and the second location.
1	20. The system of claim 19, further comprising:
2	logic configured to integrate a force detected by a first haptic device that
3	generates the first haptic signal into the integrated haptic signal; and
4	logic configured to integrate another force detected by a second haptic device
. 5	that generates the second haptic signal into the integrated haptic signal.